

## IN THE CLAIMS

Please amend or cancel claims as set forth below.

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Original) A cultivator for aerating a ground surface including:
  - a support frame moveable relative to the ground surface;
  - a follower pivotally connected to the support frame by a first pair of spaced link arms having two pairs of equidistantly spaced pivot points for linear movement of the follower along a first direction toward and away from the support frame;
  - a tool support member pivotally connected to the follower by a second pair of spaced link arms having two pairs of equidistantly spaced pivot points for linear movement of a cultivating tool along a second direction substantially perpendicular to the first direction; and
  - a driver to selectively effect cyclic movement of the tool support member along said second direction and effect movement of the follower along said first

direction;

a bias element to provide resilient damping of the movement of said follower along said first direction away from said support frame, wherein said resilient damping is provided at an extremity of movement of the follower outward from the support frame along said first direction to urge the follower in the direction of inward movement toward said support frame; and

a dampening element to provide resilient damping of the movement of said follower along said first direction toward said support frame, said resilient damping provided at an extremity of movement of the follower inward toward the support frame in said first direction to progressively arrest movement of the follower in the direction of inward movement toward said support frame.

6. (Original) A cultivator as claimed in claim 5 wherein said first direction is substantially parallel to said ground surface and said second direction is substantially perpendicular to said ground surface.

7. (Previously Presented) A cultivator as claimed in claim 5 wherein said first pair of spaced link arms maintain said follower in a substantially constant orientation to said support frame.

8. (Previously Presented) A cultivator as claimed in claim 5 wherein said follower, said second pair of spaced link arms and said tool support member substantially form the respective sides of a parallelogram.

9. (Previously Presented) A cultivator as claimed in claim 5 wherein said driver acts on one of said second pair of spaced link arms.

10. (Previously Presented) A cultivator as claimed in claim 9 wherein said driver is a linearly operable device acting between said support frame and one of said second pair of spaced link arms.

11. (Previously Presented) A cultivator as claimed in claim 10 wherein said driver acts in a direction substantially parallel to the direction between the spaced pivot points of one of said first pair of spaced link arms.

12. (Previously Presented) A cultivator as claimed in claim 11 wherein said first pair of spaced link arms include an upper link arm and a lower link arm, said upper link arm being positioned adjacent said driver.

13. (Original) A cultivator as claimed in claim 12 wherein said support frame includes a fixed support arm to which both said upper link arm and said driver are connected.

14. (Original) A cultivator as claimed in claim 13 wherein said linearly operable device is a hydraulic cylinder.

15. (Original) A cultivator as claimed in claim 12 wherein said lower link arm is bent to form an obtuse angle.

16. (Previously Presented) A cultivator as claimed in claim 5 wherein said bias element acts against an extension of one of said first pair of spaced link arms.

17. (Previously Presented) A cultivator as claimed in any one of claims 5 to 16 wherein one or more of said first and second pair of spaced link arms is formed by two parallel elements.

18. (Previously Presented) A cultivator as claimed in any one of claims 5 to 9 wherein said driver includes a mechanical arrangement which imparts reciprocating movement to one link arm of said first and second pair of spaced link arms.

19. (Original) A cultivator as claimed in claim 18 wherein said driver includes a rotating flywheel and a connecting rod mounted to move reciprocally in response to rotation of the flywheel.

20. (Previously Presented) A cultivator as claimed in claim 5, wherein one of said first pair of spaced link arms comprises a cam surface formed thereon and said dampening element comprises a dampening block arranged to progressively engage said cam surface upon pivoting movement of said one of said first pair of spaced link arms.

21. (Original) A cultivator as claimed in claim 20, wherein said dampening block is sized and positioned to be squeezed between said cam surface and said follower when said tool support member is raised in said second direction.

22. (Currently Amended) A cultivator for aerating a ground surface including:  
a support frame moveable relative to the ground surface generally along a first direction;  
a tool support member connected to said support frame by at least two links, a first link pivotally connected to the tool support member at one end and pivotally connected to a second link at an opposite end, said second link pivotally connected to said support frame, said tool support member operable along a second direction substantially perpendicular to the first direction;  
a driver to selectively effect cyclic movement of the tool support member in said second direction;  
a bias element to provide resilient damping of the pivoting movement of said second link in a first rotary direction; and

a dampening element to provide resilient damping of the pivoting movement of said second link in a second rotary direction opposite said first rotary direction to progressively frictionally arrest pivoting movement of the second link in the second rotary direction; and

~~A cultivator as claimed in claim 1, comprising~~ a follower connected to one of said first and said second links, wherein said second link comprises a cam surface and said dampening element comprises a dampening block arranged to progressively engage said cam surface upon pivoting movement of said second link, said follower movable toward said dampening block while said second link is pivoting in said second rotary direction, wherein said dampening block is sized and positioned to be squeezed between said cam surface and said follower while said dampening block is progressively engaged by said cam surface.

23. (Previously Presented) A cultivator as claimed in claim 22, wherein said dampening block comprises a cam contact surface that is angled to be substantially tangential to the cam surface.

24. (Canceled)

25. (Canceled)